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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**REPLY UNDER 37 C.F.R. 1.116 - EXPEDITED
PROCEDURE**

In re Patent Application of

Peter Borden MACKENZIE et al.

Application No.: 10/648,357

Filing Date: August 27, 2003

Title: IMPROVED PRODUCTIVITY CATALYSTS AND MICROSTRUCTURE CONTROL

Group Art Unit: 1713

Examiner: Robert D. Harlan

Confirmation No.: 3429

AMENDMENT/REPLY TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a reply for the above-identified patent application.

A Petition for Extension of Time is also enclosed.

Terminal Disclaimer(s) and the \$65.00 (2814) \$130.00 (1814) fee per Disclaimer due under 37 C.F.R. § 1.20(d) are also enclosed.

Also enclosed is/are _____

Small entity status is hereby claimed.

Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the \$395.00 (2801) \$790.00 (1801) fee due under 37 C.F.R. § 1.17(e).

Applicant(s) requests that any previously unentered after final amendments not be entered. Continued examination is requested based on the enclosed documents identified above.

Applicant(s) previously submitted _____

on _____, for which continued examination is requested.

Applicant(s) requests suspension of action by the Office until at least _____, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.

No additional claim fee is required.

An additional claim fee is required, and is calculated as shown below.

AMENDED CLAIMS					
	No. of Claims	Highest No. of Claims Previously Paid For	Extra Claims	Rate	Additional Fee
Total Claims	22	MINUS 41 =	0	x \$50.00 (1202) =	\$ 0.00
Independent Claims	2	MINUS 6 =	0	x \$200.00 (1201) =	\$ 0.00
If Amendment adds multiple dependent claims, add \$360.00 (1203)					
Total Claim Amendment Fee					
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Claim Amendment Fee					
TOTAL ADDITIONAL CLAIM FEE DUE FOR THIS AMENDMENT					

A check in the amount of _____ is enclosed for the fee due.

Charge _____ to Deposit Account No. 02-4800.

Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

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Date: October 28, 2005

By Nhat Phan
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Patent
Attorney's Docket No. 008111-172

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Peter B. MACKENZIE et al.) Group Art Unit: 1713
Application No.: 10/648,357) Examiner: R. Harlan
Filed: August 27, 2003) Confirmation No.: 3429
For: IMPROVED PRODUCTIVITY)
CATALYSTS AND)
MICROSTRUCTURE CONTROL)

THIRD REPLY AND AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the final Office Action dated October 3, 2005, Applicants
submit the following amendments and remarks.